

11:15:16

OCA PAD INITIATION - PROJECT HEADER INFORMATION

09/08/95

Active

Project #: E-19-X90 Cost share #: E-19-362 Rev #: 0
Center #: 10/24-6-Q6501-0A0 Center shr #: 10/22-1-E6501-0A0 OCA file #:
Contract#: AL-95-184 Mod #: Work type : RES
Prime #: Document : GRANT
Contract entity: GIT
Subprojects ? : N CFDA:
Main project #: PE #:

Project unit: CHEM ENGR Unit code: 02.010.114
Project director(s):
REZAC M E CHEM ENGR (404)894-1255

Sponsor/division names: US DEPT OF ENERGY / DOE ALBUQUERQUE - NM
Sponsor/division codes: 141 / 011

Award period: 950724 to 960723 (performance) 960823 (reports)

Sponsor amount	New this change	Total to date
Contract value	0.00	0.00
Funded	0.00	0.00
Cost sharing amount		100.00

Does subcontracting plan apply ? : N

Title: DOE LABORATORY EQUIPMENT GRANT

PROJECT ADMINISTRATION DATA

OCA contact: E. Faith Gleason 894-4820

Sponsor technical contact Sponsor issuing office

BOB ELDREDGE ORG 7617, MS-1118
(505)845-4481

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US DOE ALBUQUERQUE OPERATIONS OFFICE
P.O. BOX 5400
ALBUQUERQUE, NM 87185-5400

U.S. DEPARTMENT OF ENERGY
ALBUQUERQUE OPERATIONS OFFICE
P.O. BOX 5400
ALBUQUERQUE, NEW MEXICO 87185-5400

Security class (U,C,S,TS) : U

Defense priority rating :

Equipment title vests with: Sponsor

ONR resident rep. is ACO (Y/N): N

N/A supplemental sheet

GIT X

Administrative comments -

INITIATION. THIS IS A USED EQUIPMENT GRANT FOR AN APPLE COMPUTER, TO BE
X SHIPPED TO GA TECH AT GATECH EXPENSE.

GEORGIA INSTITUTE OF TECHNOLOGY
OFFICE OF CONTRACT ADMINISTRATION

NOTICE OF PROJECT CLOSEOUT

Closeout Notice Date 10/28/96

Project No. E-19-X90 Center No. 10/24-6-Q6501-0A0

Project Director REZAC M E School/Lab CHEM ENGR

Sponsor US DEPT OF ENERGY/DOE ALBUQUERQUE - NM

Contract/Grant No. AL-95-184 Contract Entity GIT

Prime Contract No.

Title DOE LABORATORY EQUIPMENT GRANT

Effective Completion Date 960723 (Performance) 960823 (Reports)

Closeout Actions Required:	Y/N	Date Submitted
Final Invoice or Copy of Final Invoice	N	
Final Report of Inventions and/or Subcontracts	Y	
Government Property Inventory & Related Certificate	N	
Classified Material Certificate	N	
Release and Assignment	N	
Other	N	

Comments
NOTE USE DOE FORM FOR PATENT.

Subproject Under Main Project No.

Continues Project No.

Distribution Required:

Project Director	Y
Administrative Network Representative	Y
GTRI Accounting/Grants and Contracts	Y
Procurement/Supply Services	Y
Research Property Management	Y
Research Security Services	N
Reports Coordinator (OCA)	Y
GTRC	Y
Project File	Y
Other	N
	N

NOTE: Final Patent Questionnaire sent to PDPI.

E-19-x90
#1

LABORATORY EQUIPMENT GRANT

Project Number: AL-95-184

1996 Final Report

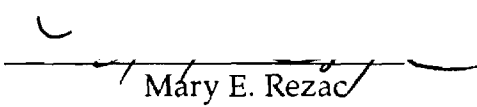
on A Grant Supported by:

The Department of Energy

prepared by:

Mary E. Rezac
Assistant Professor
School of Chemical Engineering
Georgia Institute of Technology

October 19, 1996


Mary E. Rezac

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In 1995, the Department of Energy donated a Macintosh Computer for use in our laboratories under its Used Equipment Grant Program. This report details the use of this computer.

New Courses Instituted as a Result of this Grant: None

Existing Courses Expanded as a Result of this Grant: This computer has been used primarily for the analysis of data gathered in experimental research. The research has been conducted by both undergraduate and graduate students. Undergraduate research has been conducted for course credit. As a result of these activities, the following documents have been produced:

Thesis Titles: None.

Journal Articles:

Rezac, M. E., John, T., and Pfromm, P. H., "Effect of Copolymer Composition on the Solubility and Transport of Water and Methanol in a Series of Polyether Amides", submitted to J. Appl. Pol. Sci., 1996.

Rezac, M. E., N. S. Moore, and A. Back, "Effect of Temperature on the Transport Properties and Morphology of Polymeric Asymmetric Membranes," in press Sep. Sci. Tech., 1996.

Presentations at Technical Meetings:

Moore, N. S. and Rezac, M. E., "Hybrid Organic/Inorganic Composite Membranes for Moderate Temperature Gas Separations," Fourth International Conference on Inorganic Membranes, Gatlinburg, TN, July 16, 1996.

Rezac, M. E., John, T., and Pfromm, P., "Methanol Recovery in the Pulp and Paper Industry by Membrane Vapor Separation," Fifth World Congress on Chemical Engineering, San Diego, CA, paper 54d, July 15, 1996.

Rezac, M. E., Sorensen, E. T., Thou, N., and Beckham, H. W., "Polyimide Crosslinking for Improved Membrane Stability," North American Membrane Society, Ottawa, Ontario, Canada, May 20, 1996.

Rezac, M. E., Moore, N. S., and Back, A., "Polymer Tg versus Upper-Use Temperature for Membranes: How do they compare?," AIChE National Meeting, New Orleans, LA, paper 77e, February 27, 1996.

Rezac, M. E., N. S. Moore, and A. Back, "Effect of Temperature on the Transport Properties and Morphology of Polymeric Asymmetric Membranes," Ninth Symposium on Separation Science and Technology for Energy Applications, Gatlinburg, TN, October 24, 1995.

Research Activities: See "Existing Courses"